

Title (en)

Optical waveguide type wavelength filter.

Title (de)

Wellenlängenfilter in Form eines optischen Wellenleiters.

Title (fr)

Filtre de longueur d'onde du type guide d'ondes.

Publication

EP 0480370 B1 19950503 (EN)

Application

EP 91117131 A 19911008

Priority

JP 26832290 A 19901008

Abstract (en)

[origin: EP0480370A1] An optical waveguide type wavelength filter having a Fabry-Perot resonator portion (6) formed in the waveguide. The Fabry-Perot resonator portion has a length corresponding to the resonator length of the propagated light and formed by cutting at least two suitable gaps (5) in the optical waveguide (4). By varying the index of refraction of the Fabry-Perot resonator portion (6) by refractive index varying means, the resonator length L of the Fabry-Perot resonator portion (6) is optically varied and, thereby, the filter characteristic of the Fabry-Perot resonator portion can be made variable. <IMAGE>

IPC 1-7

G01J 3/26; **G02B 6/12**

IPC 8 full level

G02F 1/01 (2006.01); **G02B 6/122** (2006.01); **G02F 1/225** (2006.01); **G02F 1/035** (2006.01)

CPC (source: EP US)

G02B 6/122 (2013.01 - EP US); **G02F 1/225** (2013.01 - EP US); **G02F 1/0147** (2013.01 - EP US); **G02F 1/035** (2013.01 - EP US)

Cited by

CN1049288C; GB2264792A; GB2264792B; WO02079834A3; WO02079863A3

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